

Listing of Claims

1. (Currently Amended) A method of ciphering call information transferred between a mobile communication terminal and a network, comprising:

- connecting a call between the terminal and the network;
- transferring call information between the terminal and network without ciphering the call information;
- transmitting a ciphering request from the terminal to the network after the call information has been transferred between the terminal and network without ciphering;
- transmitting a ciphering authentication request message from the network to the terminal in response to the ciphering request;
- transmitting a ciphering authentication response message from the terminal to the network in response to the ciphering authentication request message;
- transmitting a ciphering activation completion message from the network to the terminal in accordance with the ciphering authentication response message; and
- ciphering additional call information to be transmitted between the terminal and network after the ciphering activation completion message is received from the network and after the call information has been transferred between the terminal and network without ciphering, wherein the ciphering request is transmitted during transfer of data from the terminal to the network during the call and after the call information has been transferred between the terminal and network without ciphering.

2. (Previously Presented) The method of claim 1, wherein the ciphering authentication request message includes a RAND value and wherein a key value is generated by the terminal based on the RAND value.

3-4 (Canceled)

5. (Original) The method of claim 1, wherein the call information includes a voice information.

6. (Previously Presented) The method of claim 1, wherein the call information includes data and wherein the ciphering request is transmitted during transfer of data from the terminal to the network during the call.

7-52 (Canceled)

53. (Previously Presented) The method of claim 1, wherein the ciphering request is generated and transmitted without including a RAND value for ciphering activation.

54. (Previously Presented) The method of claim 1, further comprising:

transmitting a ciphering deactivation request message from the terminal to the network during a time when ciphered data is being transferred between the terminal and network;
and

deactivating ciphering in response to the ciphering deactivation request message,
the ciphering being deactivated during the call.